

**TABLE 12-42**  
**HAZARD QUOTIENTS FOR ANALYTES DETECTED IN TISSUE**  
**OYSTERS - TIDAL FLATS**

**REMEDIAL INVESTIGATION REPORT**  
**STRATFORD ARMY ENGINE PLANT**  
**STRATFORD, CONNECTICUT**

CAS NUMBER	CHEMICAL	DETECTION FREQUENCY	UNITS	RME (1) CONCENTRATION	CT (2) CONCENTRATION	BACKGROUND VALUE (4)	SCREENING TOXICITY VALUE (3) MG/KG	HAZARD QUOTIENTS		
								RME (1)	CT (2)	BACKGROUND
<b>Inorganics/Metals</b>										
7440-43-9	Cadmium	15/ 15	mg/kg	5.60	5.16	5.17	3.7	1.5	1.4	1.4
7440-47-3	Chromium	15/ 15	mg/kg	3.7	2.9	1.87	2.3	1.6	1.3	0.8
7439-92-1	Lead	10/ 15	mg/kg	2.80	2.75	2.98	2.28	1.23	1.21	1.31
7439-97-6	Mercury	5/ 15	mg/kg	0.140	0.1113	ND	0.043	3.26	2.59	
7440-02-0	Nickel	15/ 15	mg/kg	18.10	16.35	15.77	56.6	0.32	0.3	0.3
<b>Pest/PCBs</b>										
11097-69-1	Aroclor-1254	15/ 15	mg/kg	1.300	0.827	0.553	0.02	65	41	28
<b>Miscellaneous</b>										
HLA0049	Lipid	13/ 15	mg/kg	NC	111500	165667	NA			

(1) Lowest of maximum or 95% UCL concentration detected in exposure area.

(2) Arithmetic mean concentration, calcualted using 1/2 the detection limit for non-detects

(3) Screening toxicity values presented in Table 12-39.

(4) Background values are presented in Table 12-22; the background concentration is equal to the lesser of average or maximum detected concentrations in the Reference Area.

Shaded Hazard Quotients = Hazard Quotients greater than 1 and greater than Background.